



PUBLIC MEETING #2

November 15, 2012

McHenry County College
Shah Center

Illinois Route 31

ROUTE 176 TO ROUTE 120

www.ILRoute31.com

McHenry County

Project Overview and Study Area



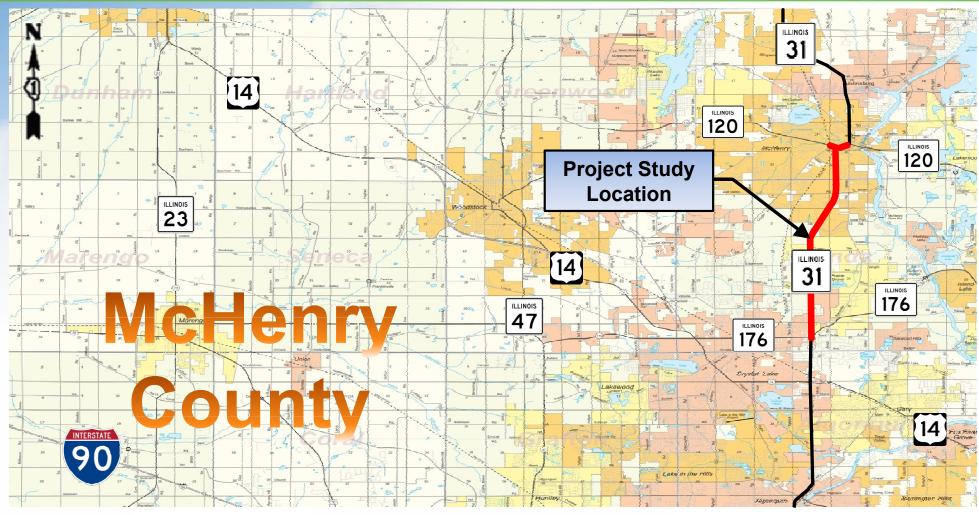
■ IL Route 31 – IL Route 176 to IL Route 120





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Strategic Regional Arterial (SRA)



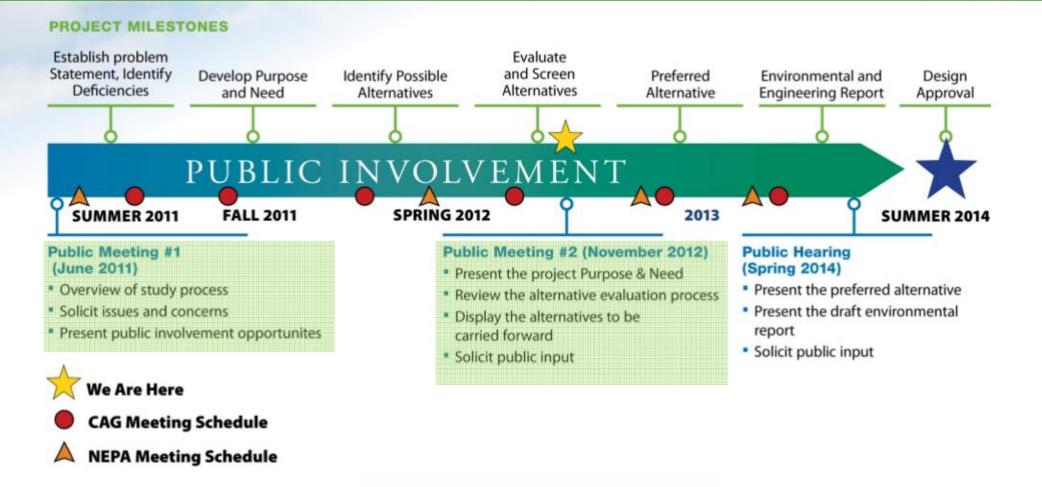


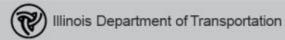
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Adjacent Projects Within the Study Area



Project Study Schedule







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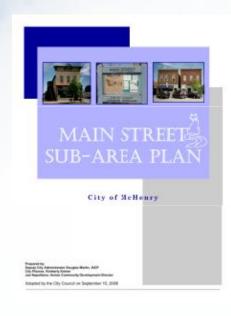
CAG and Agency Coordination



US Army Corps of Engineers®





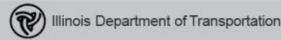














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Purpose and Need

Identified Needs

- Improve Roadway Safety
- Expand Roadway Capacity and Address
 Traffic Issues
- Correct Existing Roadway Design Deficiencies
- Improve Opportunities for Multimodal Connectivity





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Safety Deficiencies

- Crash Statistics (2006-2009)913 Total Crashes
 - » 34% of all Crashes were Injury Crashes
 - 6 Fatalities (3 head-on)
 - 350 Total Injuries
 - » Majority of Crashes were Rear End Collisions
 - » IL 176 to Gracy Road Top 5% Crash Location

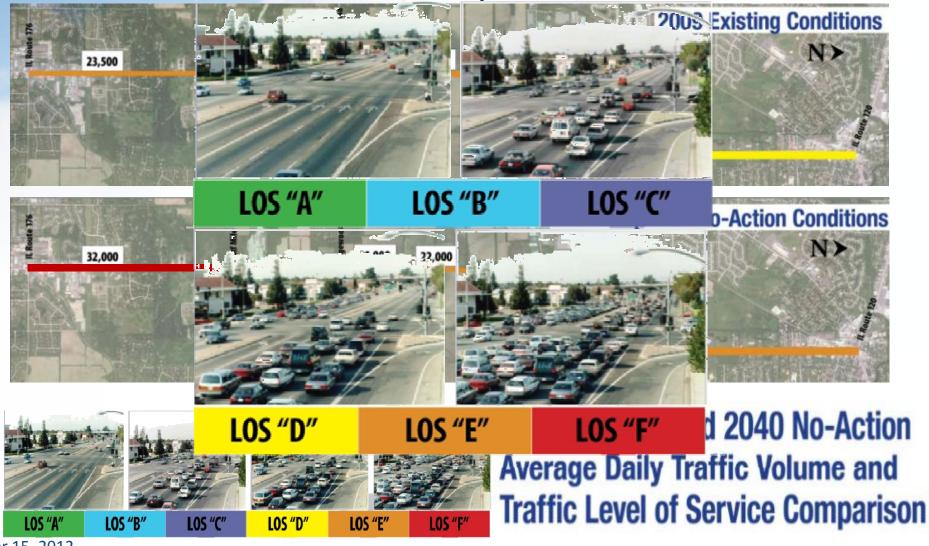




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Capacity Deficiencies

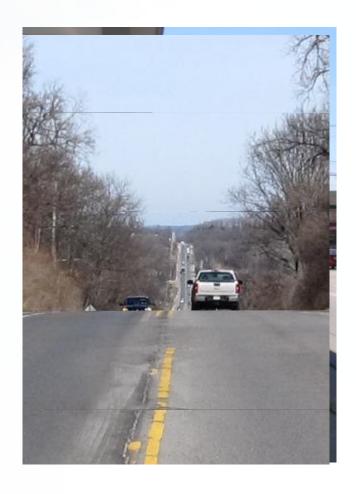
Corridor Level of Service Map



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Other Noted Deficiencies

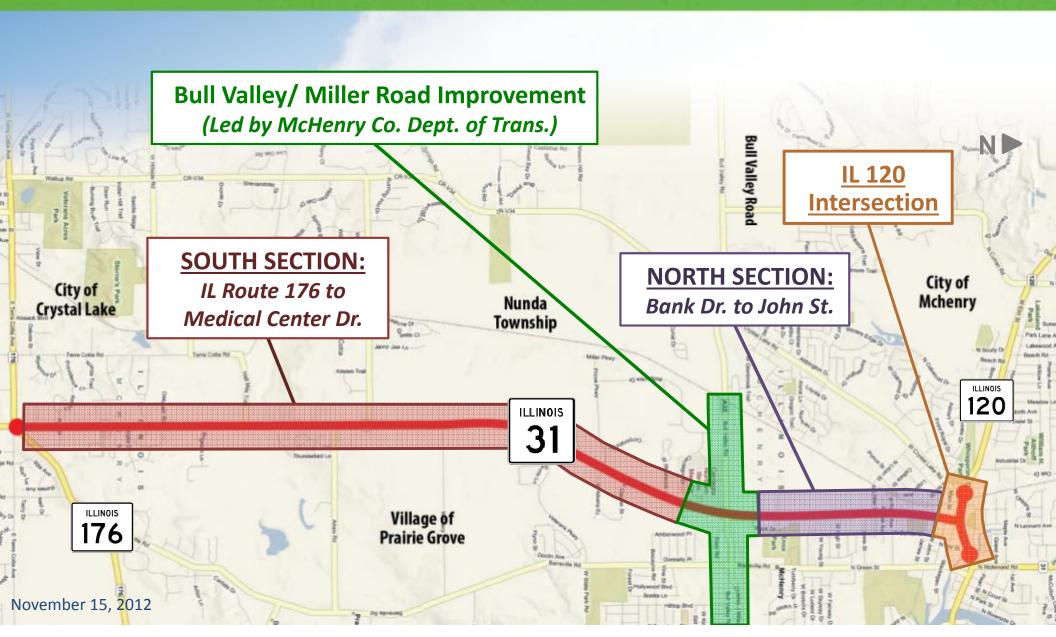
- Lack of Pedestrian and Bicycle
 Accommodations
- Vertical Sight Distance
 - » IL Route 31 and Drake Drive
 - » IL Route 31 South of Ames
- Intersection Sight Distance
 - » Main Street and John Street





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Study Subsections



Range of Alternatives Considered

- South Section (IL 176 to South of Bull Valley Rd.)
 - » 4-lane, 5-lane and 6-lane Options With Various Median Treatments
 - » No-Build
- North Section (North of Bull Valley Rd. to John Street)
 - » 4-lane and 5-lane Options With Various Median Treatments
 - » One-way Arterial Pair (Couplet)
 - » No-Build
 - » Roundabout and Conventional Intersection Options
- IL Route 120 Intersection
 - » Traditional Intersection Options
 - » Roundabout Options
 - » No-Build



Alternatives Evaluation Findings

- Roundabouts vs. Signalized Intersections
 - » Signalized intersections exhibited better performance
 - Turning Patterns at Intersections
 - Large Traffic Volumes
- Flush vs. Non-traversable Median
 - » Raised or depressed median has a 48% lower crash rate
- On-Street Parking
 - » Elimination of on-street parking statistically shows a reduction in crashes by 26%





Alternatives To Be Carried Forward: South Section (IL Route 176 to Medical Center Drive)

- No-Build Alternative
- 30' Raised Median
 - » 30' Depressed Median and 10' Outside Shoulder from Drake Drive and Veterans Parkway





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Alternatives To Be Carried Forward:

South Section Comparative Analysis



30' Raised Median Option

30' Depressed Median Option

V--- D:ff-----

	Key Differences	
Key Features - Both Alternatives	30' Raised Median	30' Depressed Median
Two Through Lanes in Each Direction	C&G Throughout	10' Shoulder
30' Wide Median Accommodates Dual Left Turn Lanes	Raised Median	Depressed Median
Shelf Provided for Sidewalk and Multi-Use Path	Narrower Cross Section	Wider Cross Section
	Lower Speed Limit	Higher Speed Limit

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Alternatives To Be Carried Forward:

North Section and IL Route 120 Intersection

- North Section
 - » No Build Alternative
 - » 18' Raised Median from Bank Drive to John Street
- IL Route 120 Intersection

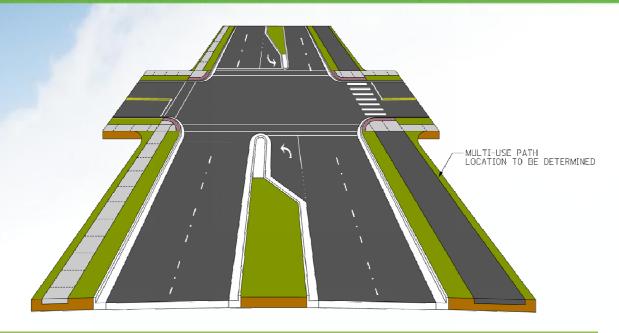


- » No Build Alternative
- » Option #1 = Min Build / Re-stripe Alternative (No Median and 10' lanes @ IL 120)
- » Option #2 = Max Build (30' Median @ IL 120)





Alternatives To Be Carried Forward: North Section (Bank Drive to John Street)



18' Raised Median Option

Key Features

Turn Volumes Require Single Left at Intersections

Barrier Median Provides Greatest Safety Benefit

Multi-modal Enhancements Including Sidewalk and Shared-Use Path*

*Subject to local participation with funding and maintenance

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Alternatives To Be Carried Forward:

IL Route 120 Intersection Comparative Analysis





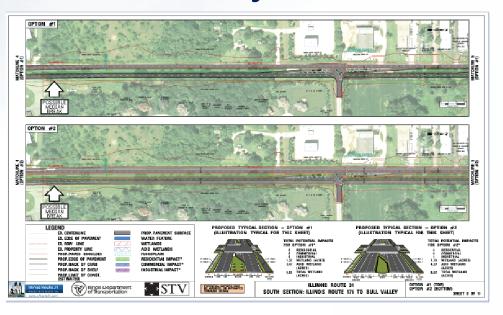


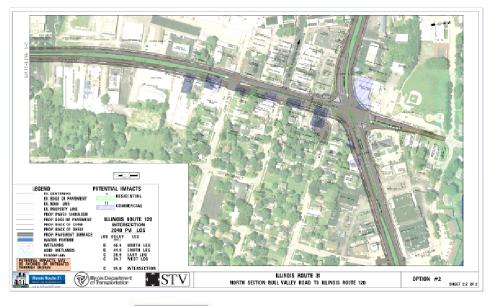
No-Build Option	Min-Build Option	Max-Build Option
Year 2040 Delay = 175 sec. (LOS F)	Year 2040 Delay = 71 sec. (LOS E)	Year 2040 Delay = 35 sec. (LOS C)
Existing Delay = 52 sec. (LOS D)	Narrow 10' Lanes	Standard 12' Lanes
No Building Impacts	No Building Impacts	12 Building Impacts
Maintains On-Street Parking	Eliminates On-Street Parking	Eliminates On-Street Parking
No U-Turns Allowed	No U-Turns Allowed	U-Turns Allowed
No Shared-Use Path	No Shared-Use Path	Provisions for Shared-Use Path

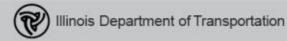
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Additional Information

- Review the Exhibits on Display
- Discuss with Project Team
- Review Project Brochure









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Solicit Input

- Comment form
 - Submit today or via mail
- Project Website
 - See the "Contact Us" link
 - www.ilroute31.com

Please submit your comments by December 12, 2012 to be made part of the official meeting record.



Next Steps

- Review all public comments
- Modify design concepts, if necessary
- Select a Preferred Alternative
- Develop design concept in greater detail
 - Intersections
 - Drainage Analysis
 - Noise Studies
- Present to CAG and NEPA Agencies
- Hold Public Hearing







Thank You!

www.ILRoute31.com



Illinois Route 31

ROUTE 176 TO ROUTE 120

McHenry County